

**AP # 902**  
**Rio Bravo Oil Co. 2- DuPont**

## petroROM Well Report

Copyright 1998 by Petroleum Information/Dwights LLC

AP 202

## ----- General Information -----

State	: TEX	Final Status	: D&A
County	: ORANGE	Total Depth	: 8440
Field	: PHOENIX LAKE	Spud Date YYYYMMDD:	19910313
Operator Name	: RIO BRAVO OIL	Comp Date YYYYMMDD:	19910323
Well Number	: 2	Hole Direction	: VERTICAL
Lease Name	: DUPONT DE NEMOURS E I		
API Number	: 42361306260000	Init Lahee Class	: D
TX Railroad Dist	: 03	Final Lahee Class	: D
Survey Name	: BRACK H F	Permit Number	: 382597
Abstract Number	: 245	Elevation	: 11 (GR)
Block	:	Section	:
League	:	Labor	:
Township	:	Lot	:
Geologic Province	: GULF COAST BASIN		
Formation at TD	: (653VKBG) VICKSBURG		
Oldest Age Pen	: TERTIARY OLIGOCENE (653)		

Producing Formation:

## ----- Additional Location Information -----

Footage Location :  
Location Narrative: SC FR NE/COR JOHN P KLEIBERGER A-125 GO N 4160 TH E  
@ RA 700 TO LOC  
467 FSEL (RVR) 512 FSWL 40-AC UN  
2 MI S ORANGE, TX

## ----- Log Data -----

Type	Top	Base
EL		8440

## ----- Casing Data -----

Size	Depth	Cement
14	90	
9 5/8	1109	225

## ----- Actual Bottom Hole From Surface Location -----

Meas	True Vert	Closure	N/S	E/W	State	County
Depth	Depth	Ft Deg Min	Footage		Code	Code

## ----- Actual Bottom Hole Narrative -----

## ----- Drilling Narrative -----

01/04/99 15:31 972 783 8002

IHS ENERGY FAX 1

007/009

Date	Remarks
------	---------

Check of money under payable to the  
Railroad Commission of Texas  
Oil and Gas Division, Drilling Permits  
P. O. Drawer 12967, Capitol Station  
Austin, Texas 78711

RAILROAD COMMISSION OF TEXAS  
Oil and Gas Division

FORM W-1  
Rev. 9/1/83  
403-060

Application for Permit to Drill, Deepen, Plug Back, or Re-Enter

Read Instructions on Back

File a copy of W-1 and plat in RRC District Office.

Purpose of filling (mark appropriate boxes):

☒ Drill ☐ Deepen (below casing) ☐ Sidetrack

☐ Deepen (within casing) ☐ Plug Back ☐ Re-Enter

Enter here.  
If assigned:

API No.

42-36130626

Permit No.

382691

Rule 37 Case No.

10883

3. RRC Operator No.

712401

4. RRC District No.

03

5. County of Well Site

Orange

6. Lease Name (32 spaces maximum)

E.I. DuPont De Nemours

7. RRC Lease/ID No.

2

8. Well No.

8800

9. Total Depth

8800

2000 Bering Drive, Suite 500  
Houston, Texas 77057

Section Block Survey H.F. Brack

Abstract No. A- 245

This well is to be located 2 miles in a Southerly direction from

which is the nearest town in the county of the well site.

11. Distance from proposed location to nearest lease or unit line 467 ft.

12. Number of contiguous acres in lease, pooled unit, or unitized tract 480

OUTLINE ON PLAT

13. FIELD NAME (Exactly as shown on RRC proration schedule).  
List all established and wildcard zones of anticipated completion. Attach additional Form W-1's as needed to list these zones. One zone per line.

Phoenix Lake 712 81001

Phoenix Lake "B" 712 81166

Wildcat (above 8800') 88001

22. Perpendicular surface location from two nearest designated lines:  
Lease/Unit 467' FSEL (Sabine River) & 512.3 FSWL  
Survey/Section 467' FSEL (Sabine River) & 4160' F (Ext) NL of A-125 Survey/Section

23. Is this a pooled unit? FSE (Rover) L

24. Is item 17 less than item 18 (substandard acreage for any field applied for)?

25. Is this wellbore subject to Statewide Rule 38 (hydrogen sulfide area)?

26. Do you have the right to develop the minerals under any right-of-way that crosses, or is contiguous to, this tract? If not, and if the well requires a Rule 37 or 38 exception, see instructions for Rule 37.

27. Information stated in this application is true and complete, to the best of my knowledge.

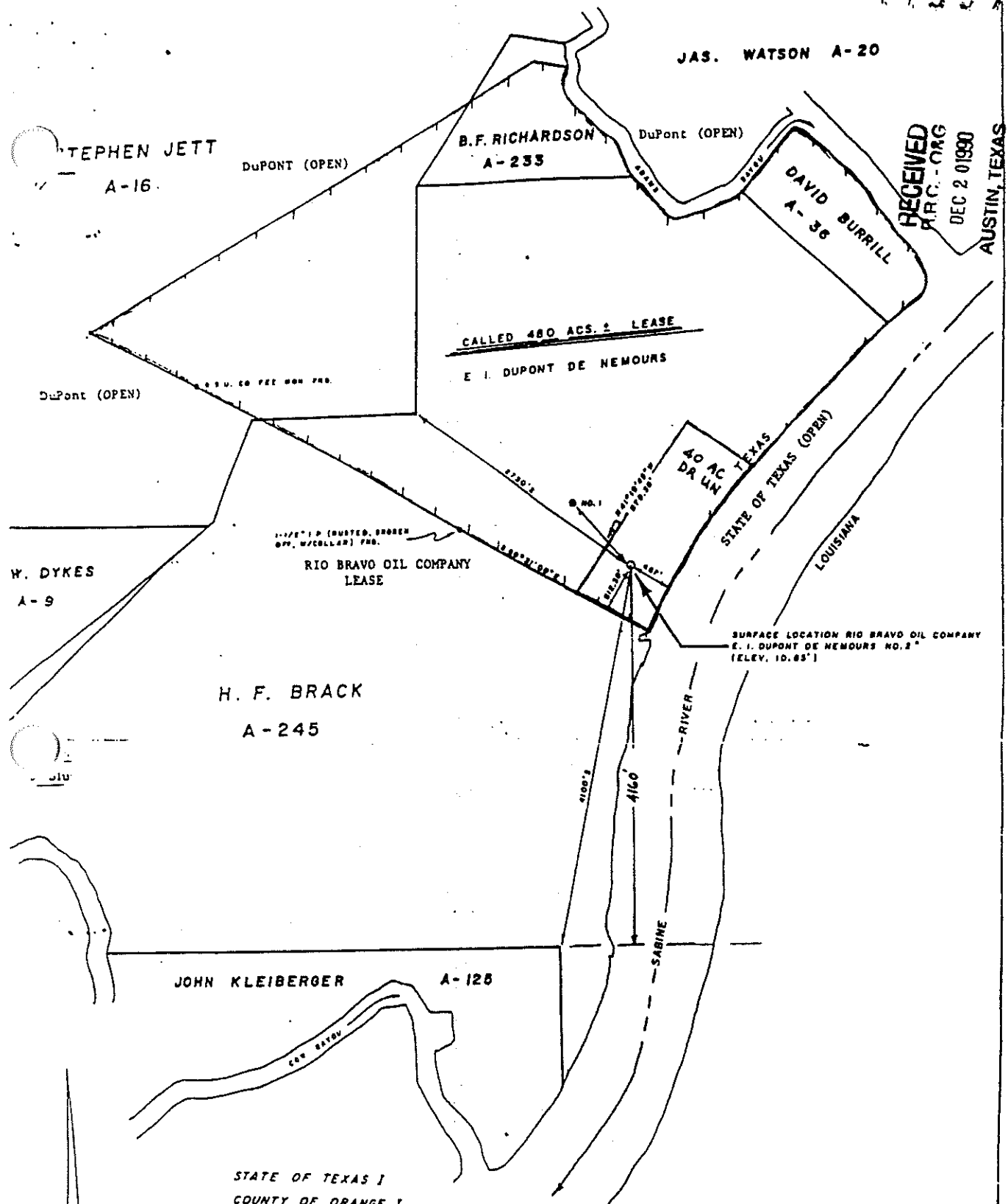
Signature T.R. Weddle, Exec. V.P.

Name and title of operator's representative (713) 781-6055

Area Code Tel. 781-6055

Only • RRC RECEIVED

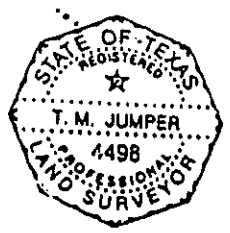
DEC 2 1990



STATE OF TEXAS  
COUNTY OF ORANGE

I, T. M. JUMPER, REGISTERED PROFESSIONAL LAND SURVEYOR NO. 4498, DO HEREBY CERTIFY THAT THIS PLAT CORRECTLY SHOWS THE LOCATION OF WELL "RIO BRAVO OIL COMPANY E. I. DUPONT DE NEMOURS NO. 2" ON THE H. F. BRACK SURVEY, ABSTRACT 245, CRANGE COUNTY, TEXAS, AS STAKED ON THE GROUND BY ME ON NOVEMBER 19, 1990.

ME AND ASSOCIATES  
P.O. BOX 303  
SHELL, TEXAS 77866  
9-383-5266



*T.M. Jumper*  
T.M. JUMPER

1. Was Well filled with Mud-Laden Fluid, according to the regulations of the Railroad Commission <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		32. How was Mud Applied? <div style="text-align: center; font-weight: bold;">Circulated</div>	33. Mud Weight <div style="text-align: center;">9.8 LBS</div>
34. Total Depth <div style="text-align: center;">8440'</div>	Other Fresh Water Zones by T.D.W.R. <div style="display: flex; justify-content: space-between;"> <div>TOP</div> <div>BOTTOM</div> </div> <div style="border-bottom: 1px solid black; width: 100%;"></div> <div style="border-bottom: 1px solid black; width: 100%;"></div> <div style="border-bottom: 1px solid black; width: 100%;"></div>	35. Have all Abandoned Wells on this Lease been Plugged according to RRC Rules? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 36. If NO, Explain	
34. Depth of Deepest Fresh Water <div style="text-align: center;">1000'</div>			
37. Name and Address of Cementing or Service company who mixed and pumped cement plugs in this well <div style="font-weight: bold;">Halliburton Services, P.O. Box 7126, Beaumont, TX. 77726</div>			Date RRC District Office notified of plugging 3-22-91
38. Names and Addresses of Surface Owner of Well Site and Operators of Offset Producing Leases <div style="font-weight: bold;">E. I. DuPont de Nemours</div> <div style="font-weight: bold;">P.O. Box 1089</div> <div style="font-weight: bold;">Orange, Texas</div>			
39. Was Notice Given Before Plugging to Each of the Above? <div style="text-align: center;">Yes</div>			
FILL IN BELOW FOR DRY HOLES ONLY			
40. For Dry Holes, this Form must be accompanied by either a Driller's, Electric, Radioactivity or Acoustical/Sonic Log or such Log must be released to a Commercial Log Service. <div style="margin-left: 40px;">See Form L-1</div> <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Log Attached         <input type="checkbox"/> Log released to _____ Date _____       </div>			
Type Logs: <input type="checkbox"/> Driller's <input checked="" type="checkbox"/> Electric <input type="checkbox"/> Radioactivity <input type="checkbox"/> Acoustical/Sonic			
41. Date FORM P-8 (Special Clearance) Filed? <div style="text-align: center;">None</div>			
42. Amount of Oil produced prior to Plugging _____ 0 _____ bbls* * File FORM P-1 (Oil Production Report) for month this oil was produced			
RRC USE ONLY			
Nearest Field _____			

REMARKS \* Plugs #1-2 #2 Premium + .15% HR-5

Note 15 sks. Cement left on location....

Drilling rig on location; plugging approval secured by telephone 3/22/91.

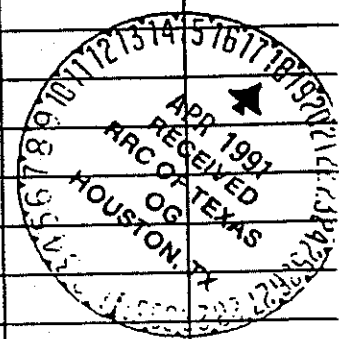
Cement: 510 in shaded areas.  
Operator: Fill in other items.

RAILROAD COMMISSION OF TEXAS  
Oil and Gas Division

Form W-15  
Cementing Report  
Rev. 4/1/83  
483-045

1. Operator's Name (As shown on Form P-5, Organization Report) <b>RIO BRAVO OIL COMPANY</b>		2. RRC Operator No. <b>712401</b>	3. RRC District No. <b>03</b>	4. County of Well Site <b>Orange</b>
5. Field Name (Wildcat or exactly as shown on RRC records) <b>Phoenix Lake</b>			6. API No. <b>42-361-30626</b>	7. Drilling Permit No. <b>382597</b>
8. Lease Name <b>E.I. DuPont de Nemours</b>		9. Rule 37 Case No. <b>---</b>	10. Oil Lease/Gas ID No. <b>---</b>	11. Well No. <b>2</b>

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date		3-14-91					
13. •Drilled hole size		12-1/4					
•Est. % wash or hole enlargement		100					
14. Size of casing (in. O.D.)		9-5/8					
15. Top of liner (ft.)		---					
16. Setting depth (ft.)		1109'					
17. Number of centralizers used		7					
18. Hrs. waiting on cement before drill-out		24					
1st Slurry	19. API cement used: No. of sacks ▶	225					
	Class ▶	Standard Fine Grind					
	Additives ▶	6% Gel, 8% Salt					
2nd Slurry	No. of sacks ▶	175					
	Class ▶	Standard					
	Additives ▶	Neat					
3rd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1st	20. Slurry pumped: Volume (cu. ft.) ▶	531					
	Height (ft.) ▶	1694					
2nd	Volume (cu. ft.) ▶	224					
	Height (ft.) ▶	714					
3rd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu. ft.) ▶	755					
	Height (ft.) ▶	2408					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?		Yes					



22 Remarks

Top out with 50 sacks cement + 2% Calcium Chloride.

OVER

CEMENTING TO PLUG AND ABANDON	PLUG # 1	PLUG # 2	PLUG # 3	PLUG # 4	PLUG # 5	PLUG # 6	PLUG # 7	PLUG # 8
Cementing date								
of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

Richard Kennedy, Cementer  
Name and title of cementer's representative

Halliburton Services  
Cementing Company

Richard Kennedy  
Signature

P. O. Box 4400

Palestine, Texas

75802

903/729-2137

3-19-91

Address

City

State, Zip Code

Tel: Area Code Number

Date: mo. day

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

T.R. Weddle  
Typed or printed name of operator's representative

Executive V.P.  
Title

T.R. Weddle  
Signature

100 Bering, Ste. 500, Houston, Tx. 77057

City

State, Zip Code

713 781-6055

4-16-91

Address

### Instructions to Form W-15, Cementing Report

**IMPORTANT:** Operators and cementing companies must comply with the requirements of the Commission's Statewide Rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

**A. What to file.** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

**B. Where to file.** The appropriate Commission District Office for the county in which the well is located.

**C. Surface casing.** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

**D. Centralizers.** Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

**E. Exceptions and alternative casing programs.** The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.

**Intermediate and production casing.** For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

**Plugging and abandoning.** Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. Cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

115373 63

# RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION

Form W-12  
(1-1-71)

## INCLINATION REPORT

(One Copy Must Be Filed With Each Completion Report.)

1. FIELD NAME (as per RRC Records or Wildcat) Phoenix Lake	2. LEASE NAME E. I. DuPont de Nemours	6. RRC District 03
3. OPERATOR RIO BRAVO OIL COMPANY	8. Well Number 2	7. RRC Lease Number (Oil completions only)
4. ADDRESS 2000 Bering Drive, Suite 500, Houston, Texas 77057	9. RRC Identification Number (Gas completions only)	10. County Orange
5. LOCATION (Section, Block, and Survey) H. F. Brack Survey, A-245		

## RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle X100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
566	5.66	0.25	0.436	2.47	2.47
1092	5.26	0.50	0.873	4.59	7.06
1562	4.70	0.50	0.873	4.10	11.16
2032	4.70	0.25	0.436	2.05	13.21
2504	4.72	0.75	1.309	6.18	19.39
2973	4.69	1.00	1.745	8.18	27.57
3473	5.00	0.25	0.436	2.18	29.75
3946	4.73	0.50	0.873	4.13	33.88
4573	6.27	0.75	1.309	8.21	42.09
5072	4.99	0.75	1.309	6.53	48.62
5546	4.74	0.75	1.309	6.20	54.82
6045	4.99	0.75	1.309	6.53	61.35
6516	4.71	0.50	0.873	4.11	65.46
7010	4.94	0.50	0.873	4.31	69.77
7681	6.71	0.25	0.436	2.93	72.70
8401	7.20	1.00	1.745	12.56	85.26

If additional space is needed, use the reverse side of this form.

17. Is any information shown on the reverse side of this form? ☒ yes 8440 ☐ no 86.01 feet.
18. Accumulative total displacement of well bore at total depth of \_\_\_\_\_ feet = 86.01 feet.
- \*19. Inclination measurements were made in - ☐ Tubing ☐ Casing ☐ Open hole ☒ Drill Pipe
20. Distance from surface location of well to the nearest lease line \_\_\_\_\_ feet
21. Minimum distance to lease line as prescribed by field rules \_\_\_\_\_ feet
22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? \_\_\_\_\_
- (If the answer to the above question is "yes", attach written explanation of the circumstances.)

### INCLINATION DATA CERTIFICATION

I declare under penalties prescribed in Article 6036c, R.C.S., that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both sides of this form and that such data and facts are true, correct, and complete to the best of my knowledge. This certification covers all data as indicated by asterisks (\*) by the item numbers on this form.

S. Elliott / Jh  
Signature of Authorized Representative  
S. Elliott, Rig #6 Supervisor  
Name of Person and Title (type or print)  
Woolf & Magee, Inc.  
Name of Company  
Telephone: 214 561-4051  
Area Code

### OPERATOR CERTIFICATION

I declare under penalties prescribed in Article 6036c, R.C.S., that I am authorized to make this certification, that I have personal knowledge of the information presented in this report, and that all data presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers all data and information presented except inclination data as indicated by asterisks (\*) by the item numbers on this form.

T. R. Weddle  
Signature of Authorized Representative  
T. R. Weddle, Executive Vice-President  
Name of Person and Title (type or print)  
Rio Bravo Oil Company  
Operator  
Telephone: 713 781-6055  
Area Code

Railroad Commission Use Only:

Approved By: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

\* Designates items certified by company that conducted the inclination surveys.

RECORD OF INCLINATION (Continued from reverse side)

[illegible]

If additional space is needed, attach separate sheet and check here. ☐

REMARKS:

- INSTRUCTIONS -

An inclination survey made by persons or concerns approved by the Commission shall be filed on a form prescribed by the Commission for each well drilled or deepened with rotary tools or when, as a result of any operation, the course of the well is changed. No inclination survey is required on wells that are drilled and completed as dry holes that are plugged and abandoned (Inclination surveys are required on re-entry of abandoned wells.) Inclination surveys must be made in accordance with the provisions of Statewide Rule 11.

This report shall be filed in the District Office of the Commission for the district in which the well is drilled, by attaching on copy to each appropriate completion for the well. (except Plugging Report)

The Commission may require the submittal of the original charts, graphs, or discs, resulting from the surveys.

## OIL AND GAS DIVISION

LENA GUERRERO, CHAIRMAN  
JAMES E. (JIM) NUGENT,  
COMMISSIONER  
B KRUEGER, COMMISSIONER



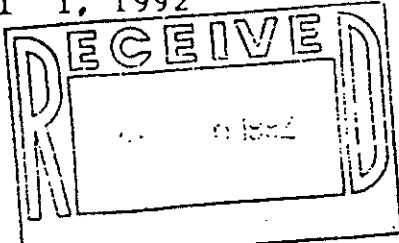
DAVID M. GARLICK  
DIRECTOR  
JAMES W. WALKER, JR.  
DIRECTOR, PRODUCTION ALLOCATION

1701 N. CONGRESS

CAPITOL STATION - P.O. BOX 12967 AUSTIN, TEXAS 78711-2967

(512) 463-7288

April 1, 1992



DIST: 03 ORANGE  
DUPONT DE NEMOURS, E.I.  
RIO BRAVO OIL COMPANY

API NO. 361-30626  
WELL NO. 2

Dear Operator:

Our records indicate that you requested confidentiality for the basic electric log on the above property. The period of confidentiality is due to expire at the end of this month.

In accordance with Statewide Rule 16, the basic electric log or a request for an extension of two years additional confidentiality must be submitted by the expiration date. Failure to do so will result in your allowable being cancelled and/or penalty action pursuant to Title 3 of the Texas Natural Resources Code.

Please complete the bottom portion and return this letter with the log or as your request for an extension of confidentiality to the above address to the attention of Central Records. If you have any questions, call the Log Desk at (512) 463-6875.

Sincerely,

JAMES W. WALKER, JR.  
DIRECTOR, PRODUCTION ALLOCATION

Log Interval(s):      from      to      from      to  
                             1106'      8434'      \_\_\_\_\_

CHECK AS APPROPRIATE

☐ Two-Year Extension of Confidentiality Requested

☒ Basic Electric Log Attached

Company/Lease name on log if different from that above:

-----

\* General 1st Renewal Notice (On-shore/Offshore)

2101-30626

## RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

Please Read Instructions

ELECTRIC LOG  
STATUS REPORT

FORM L-1

Rev. 12/88

## INSTRUCTIONS

## When to file the L-1

- with Forms G-1, W-2, and GT-1 for new and deepened gas, oil, and geothermal wells
- with Form W-3 for plugged dry holes
- when sending in a log which was held under a request for confidentiality and the period of confidentiality has not yet expired

## When the L-1 is NOT required

- with Forms W-2, G-1, and GT-1 filed for injection wells, disposal wells, water supply wells, service wells, re-test wells, re-classifications, and plugbacks of oil, gas, and geothermal wells
- with Form W-3 for plugging of other than a dry hole

## Where to file the L-1

- with the appropriate Commission district office

## Filling out the L-1

- Section I and the signature section must be filled out for all wells
- complete only the appropriate part of Section II

## Type of log required

- any wireline survey run for the purpose of obtaining lithology, porosity, or resistivity information
- no more than one such log is required but it must be of the subject well
- if such a log is NOT run on the subject well, do NOT substitute any other type of log; just select Section II, Part A below

SEE REVERSE SIDE

## SECTION I. IDENTIFICATION

Operator Name	RIO BRAVO OIL COMPANY	District No.	03	Completion Date	Dry Hole, Plugged 3-23-91
Field Name	Phoenix Lake	Drilling Permit No.	382597		
Lease Name	E.I. DuPont de Nemours	Lease/ID No.	----	Well No.	2
County	Orange	API No.	42 - 361-30626		

## SECTION II. LOG STATUS (complete either A. or B.)

☐

A. BASIC ELECTRIC LOG NOT RUN

☒

B. BASIC ELECTRIC LOG RUN (select one)

☒

1. Confidentiality requested.

☐

2. Confidentiality already granted on basic electric log covering this interval (applicable to deepened wells only).

☐

3. Basic electric log covering this interval already on file with Commission (applicable to deepened wells only).

☐

4. Log attached to (select one)

☐

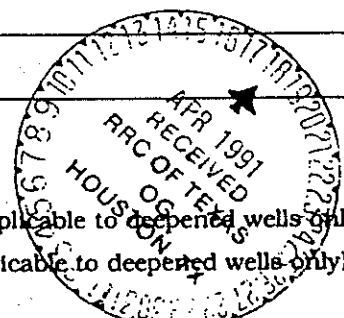
(a) Form L-1 (this form). If the company/lease name on log is different from that shown in Section I. please enter name on log here: \_\_\_\_\_

Check here if attached log is being submitted after being held confidential ☐☐

(b) Form P-7, Application for Discovery Allowable and New Field Designation.

☐

(c) Form W-4, Application for Multiple Completion: lease or ID no.(s) \_\_\_\_\_, well no.(s) \_\_\_\_\_



*T. R. Weddle*  
signature

T. R. Weddle

name (print)

Executive Vice-President

title

(713) 781-6055

phone

4-16-91

date

For Railroad Commission use only